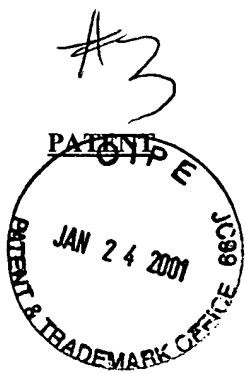


Docket No.: 113918.201



DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought on the invention entitled BIOREACTOR DESIGN AND PROCESS FOR ENGINEERING TISSUE FROM CELLS, the specification of which [] is attached hereto [X] was filed on June 5, 2000, as Application Serial No. 09/586,981 and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known to me to be material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):			Priority Claimed	
<u>Number</u>	<u>Country</u>	<u>Day/Month/Year filed</u>	<u>Yes</u>	<u>No</u>

I hereby authorize the U. S. attorneys and agents named herein to accept and follow instructions from as to any actions to be taken in the Patent and Trademark Office regarding this application without direct communication between the U. S. attorney(s) and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U. S. attorney(s) will be so notified by the undersigned.

I hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below.

Prior Provisional Application(s):	
<u>Application Number</u>	<u>Filing Date</u>
60/137,594	June 3, 1999

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or Section 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U. S. Application(s):		Status: Patented, Pending, Abandoned
<u>Serial No.</u>	<u>Filing Date</u>	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) and/or agent(s): Christopher J. Kay, Ph.D., Reg. No. 44,820; Robert A. Koons, Jr., Reg. No. 32,474; Thor B. Nielsen, Ph.D., Reg. No. 45,528; Corinne M. Pouliquen, Reg. No. 35,753; Paul D. Roath, Ph.D., Reg. No. 45,045; Kenneth J. Sheehan, Reg. No. 36,270; James M. Singer, Reg. No. 45,111; Elizabeth Stanley, Reg. No. 44,438; and Gilberto M. Villacorta, Ph.D., Reg. No. 34,038, all of

PEPPER HAMILTON LLP
Hamilton Square
600 Fourteenth Street, N.W. 21269
Washington, D.C. 20005-2004

with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and all future correspondence should be addressed to them.

Full name of sole or first inventor: Jeffrey M. MACDONALD

Inventor's signature: *Jeffrey M. Macdonald* Date: 1-17-01

Residence: Chapel Hill, NC

Citizenship: United States

Post Office Address: 210 Chesapeake Way, Chapel Hill, NC 27516

Full name of second inventor: Stephen P. WOLFE

Inventor's signature: *Stephen P. Wolfe* Date: 1/19/01

Residence: Chapel Hill, NC

Citizenship: United States

Post Office Address: 701 Edgewater Circle, Chapel Hill, NC 27516